JAN 3 1 2002 Docket No: Application Not INFORMATION BISCLOSURE 18085.105093 (EMU120CON) 09/879,854 CITATION. IN AN APPLICATION Applicant: (Use several sheets if necessary) Raymond F. Schinazi, et al. Filing Date Group Art Unit 1 ----June 12, 2001 1614 1799011711111111111111111 design the state of the second U.S. Filing Date If
Subclass & Appropriate Ù.S. Examiner Document Number Name *** \$ Initials Date ** Class∗_ AA 12/28/76 252 4,000,137 Dvonch, et al. 260 06/10/75 AB 4,140,761 02/20/79 Gerin, et al. 424 85 04/11/77 AC 4,336,381 06/22/82 544 313 11/03/80 Nagata, et al. AD 4,788,181 11/29/88 Driscoll et al. 514 49 09/29/86 ΑE 4,818,538 04/04/89 Rideout, et al. 424 436 10/21/87 AF 4,861,759 08/29/89 Mitsuya, et al. 514 46 08/11/87 AG 4,879,277 11/07/89 Mitsuya, et al. 514 49 08/11/87 AH Belica, et al. 544 317 4,900,828 02/13/90 05/12/88 ΑI 4,916,122 04/10/90 Chu, et al. 514 50 10/02/87 AJ 4,963,533 10/16/90 de Clercq, et al. 514 49 10/24/86 AK 5,041,449 08/20/91 Belleau, et al. 514 274 06/29/90 ΑĹ 5,047,407 09/10/91 Belleau, et al. 514 274 02/08/89 **AM** 5,059,690 10/22/91 Zahler, et al. 544 276 05/01/90 AN 02/18/92 514 261 5,089,500 Daluge 05/08/91 AO 29 5,149,794 09/22/92 Yatvin, et al. 536 11/01/90 AP 5,151,426 09/29/92 Belleau, et al. 514 262 06/17/91 AQ Chu, et al. 544 310 5,179,104 01/12/93 12/05/90 AR 5,185,437 02/09/93 Koszalka, et al. 536 24 08/31/91 AS 5,194,654 03/16/93 Hostetler, et al. 558 152 11/22/89 **AT** 5,204,466 04/20/93 Liotta, et al. 544 317 02/01/90 AU 05/11/93 Liotta, et al. 514 274 02/22/91 5,210,085 AV 06/29/93 Hostetler, et al. 424 450 06/28/89 5,223,263 AW 08/10/93 Furman, Jr. et al. 514 03/05/92 5,234,913 49 AX 5,248,776 09/28/93 Chu. et al. 544 310 12/05/91 AY 5,256,641 10/26/93 Yatvin, et al. 514 2 07/09/92 ΑZ 5,270,315 12/14/93 Belleau, et al. 514 262 03/07/91 **AAA** 5,276,151 01/04/94 Liotta 544 317 12/06/91 AAB 05/02/95 Hostetler, et al. 514 43 12/06/92 5,411,947 AAC 5,444,063 08/22/95 Schinazi 514 262 10/28/92 AAD 554 5,463,092 10/31/95 Hostetler, et al. 40 12/18/92 AAE 5,466,806 11/14/95 Belleau, et al. 544 310 03/29/93 AAF 01/23/96 514 274 12/10/93 5,486,520 Belleau, et al. AAG 5,532,246 07/02/96 Belleau, et al. 514 274 01/03/92

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Liotta, et al.

Yatvin, et al.

Date Considered:

544

514

317

UG

2

02/10/93

10/26/93

07/23/96

08/06/96

AAH

AAL

Examiner <

5,539,116

5,543,389

Form PTO-1449 TENT & TRADEM				Docket No:			Application No.	
INFORMATION DISCLOSURE			180	85.10509	3 (EMU120CON)		09/879,854	
IN AN APPLICATION			Δ'nn	liçant:	* * 2 1 2 4 4 4 4 4 4			
(Use several sheets if necessary)			ן יאלא	iiçaiii.	***	ا مواد مواد ا		
* * * * * *	2 1	* * * * * * * * * * * * * * * * * * * *			Raymond F. Sc	ninazi, et	al.	
	ensian y Mananana ang pan Manananana	1	Filiô	g Date:+	* * * * * * * * * * *	· * * * (Group Art Un	
4 4 6 6	* * * * * * * * * * * * * * * * * * *	r d n de de de de de de de r de de de de de de de de r de de de de de de de de de	* * *	4 1 4 4 1	June 12, 2001	****	1614	44444
* * * * * * * * * * * * * * * * * * * *	design of the spirit	****			Julie 12, 2001		1014	
			<u>ปะระ</u>	PATENT	DOCUMENTS			
Examiner >	***	Document Number	Da	8 8 8 7 8 1 tè 6 8 8 8	Name	U.S. Class	U.S. Subclass	Filing Date If Appropriate
1	BA	5,543,390	08	/06/96	Yatvin, et al.	514	2	05/19/94
4	BB	5,543,391		/06/96	Yatvin, et al.	514	2	05/16/95
	ВС	5,554,728		/10/96	Basava, et al.	530	327	07/23/95
	BD	5,561,120	_	/01/96	Lin et al.	514	49	10/01/96
	BE	5,587,480		/24/96	Belleau, et al.	544	310	04/20/94
	BF	5,604,209		/18/97	Ubasawa et al.	514	45	06/02/94
	BG	5,627,160		/06/97	Lin et al.	514	49	07/28/93
	ВН	5,631,239		/20/97	Lin et al.	514	49	10/18/95
	ВІ	5,696,254		/09/97	Mansour et al.	536	27.11	05/21/92
	BJ	5,744,596		/28/98	Mansour et al.	536	27.11	06/05/95
	BK	5,756,706		/26/98	Mansour et al.	536	27.11	05/20/92
	BL	5,770,713		/23/98	Imbach, et al.	536	22.1	05/11/94
	ВМ	5,770,725		/23/98	Gosselin, et al.	536	26.7	04/04/95
	BN	5,849,905		/15/98	Gosselin, et al.	536	26.7	09/13/96
	BO	5,852,027		/22/98	Liotta et al.	514	274	02/21/92
 /-	BP	5,990,093		/23/99	Schinazi et al.	514	47	03/31/97
- / // /	BQ	6,156,737		/05/00 /4.0/04	Mansour et al.	514	49	12/22/93
(J)	BR	6,245,749 B1	1 06	/12/01	Schinazi et al.	514	47	06/09/98
					NT DOCUMENTS:			
Examiner * Initials *		Publication Number		Date	Country	Patent	Înternationa	
Ø/	BS	0 217 580	<u>A2</u>	04/08/87		4	C 07 H	19/073
	ВТ	0 337 713	<u>B1</u>	10/18/89		6	C 07 D	473/32
	BU	0 350 287	A2	01/10/90		5	C 07 H	19/073
	BV	0 352 248	<u>A1</u>	01/24/90		5	C 07 H	19/06
	BW	0 375 329	A2	06/27/90		5	C 07 D	474/00
	BX	0 382 526	<u>A2</u>	08/16/90		5	C 07 D	473/00
-, -	BY	0 433 898	A2	12/29/89		5	C 07 D	433/898
\'/	BZ	0 494 119	A1	08/07/92		5	A 6K	31/505
 ₩	BBA	0 515 144	A1	11/25/92		5	A 61 K	31/505
4-	BBB	0 515 156	<u>A1</u>	11/25/92	2 Europe] 3	C 07 H	19/04
Examiner:					Date Consider	ed: //	20/06	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line thro						_		

	\	JAN ,		_				
Form PT	O-1449 🌂	TAT SCHOOL	. Doc	cket No:			Application N	lo.
Form PTO-1449 INFORMATION DISCLOSURE CITATION				1000 10			09/879,854	
	ATION DIS	OLOSONE .	100	8085.105093 (EMU120CON) 09/8			09/8	79,004
IN AN AF	PRI ICATIO	N. C.	Ans			** + + + + + + + + + + + + + + + + + +	· 4 * 3: ; * 2 \$	
(Use sev	eral sheets	s if necessary)	/ • \\h	encants,	Book and with the second	કો કે સ્થિક્ • આ જ કો	i ধ 🍇 sa	چى يې يې او د او
the second second	三朝日衛 巴野 第78年	· 新國共和國聯聯 从1966年	.	``_`_`_	Raymond F. Scl	ninazi. e	et al.	** ** ** ** ** ** ** ** ** ** ** ** **
6 4 6 4 5					,			
4 11 20 4 4		44444	Filig	g.Date:	The state of the s		Group Art Ur	iit
**	* * * *		1	41464			1000	
44.000	0 + 12 + 4		n n		June 12, 2001		1614	

		****	-64	4000	of the latest	144	40.41	1-1-1-1
4-0-5	4066		OREI	GNPATENT	DOCUMENTS		Tretre	***
his and a	42.4	AND AND AND A		N F T T T T	X X 3 X 1 X Y	Int. CI		
Examiner Initials		Publication Number	H M M	Date	Country	Patent		I Class Codes
1	CA	0 515 157	A1	11/25/92	Europe	5	C 07 D	327/04
	СВ	0 526 253	A1	02/03/93	Europe	5	C 07 D	411/04
	CC	WO 88/07532	A1	10/06/88	PCT	4	C 07 D	405/04
	CD	WO 88/08001	A1	10/20/88	PCT	4	C 07 H	19/06
	CE	WO 89/02733	A1	04/06/89	PCT	4	A 61 K	9/66
	CF	WO 90/00555	A1	01/25/90	PCT	4	C 07 H	15/12
	CG	WO 90/12023	A1	10/18/90	PCT	5	C 07 H	19/10
	CH	WO 91/11186	A1	08/08/91	PCT	5	A 61 K	31/505
	CI	WO 91/16920	A1	11/14/91	PCT	5	A 61 K	37/22
	CJ	WO 91/17159	A1	11/14/91	PCT	5	C 07 D	411/04
	CK	WO 91/18914	A1_	12/12/91	PCT	5	C 07 H	17/00
	CL	WO 91/19721	<u>A1</u>	12/26/91	PCT	5	C 07 F	9/6558
	CM	WO 92/00315	A1	01/09/92	PCT	5	C 07 H	21/00
	CN	WO 92/06102	A1	04/16/92	PCT	5	C 07 H	19/06
	<u> CO</u>	WO 92/08717	A1	05/29/92	PCT	5	C 07 D	409/04
	CP	WO 92/10496	A1	06/25/92	PCT_ PCT	5	C 07 D	475/00 475/00
	CR	WO 92/10497 WO 92/14729	A1	06/25/92	PCT	5	C 07 D	411/04
	CS	WO 92/14729 WO 92/14743	A2	09/03/92	PCT	5	C 07 H	411/04
	CT	WO 92/14/43 WO 92/15308	A1	09/03/92	PCT	5	C 07 K	31/505
	CU	WO 92/18517	A1	10/29/92	PCT		C 07 D	17/00
- -	CV	WO 92/21676	A1	12/10/92	PCT	5	C 07 K	411/04
	CW	WO 93/00910	A1	01/21/93	PCT	5	A 61 K	31/70
	CX	WO 93/12128	A1	06/24/93	PCT	5	C 07 H	19/06
	CY	WO 93/12131	A1	06/24/93	PCT	5	C 07 H	21/00
	CZ	WO 93/12132	A1	06/24/93	PCT	5	C 07 H	21/00
	CCA	WO 93/24510	A1	12/09/93	PCT	5	C 07 H	19/70
	CCB	WO 94/04154	A1	03/03/94	PCT	5	A 61 K	3152
	CCC	WO 94/05300	A1	03/17/94	PCT	5	A 61 K	31/71
	CCD	WO 94/09793	A1	05/11/94	PCT	5	A 61 K	31/70
_0	CCE	WO 94/14456	A1	07/07/94	PCT	5	A 61 K	31/70
Examiner			<u></u>		Date Consider	ed: /	1/20/06	

	7								
Form PTO	-1449 🌂	TRADEMANA.	Doo	ket No:			Application N		
INFORMATION DISCLOSURE			180	18085.105093 (EMU120CON) 09/879,854					
IN AN APPLICATION			Anr	licant:	* * * * * * * * * * * * * * * * * * *		elita e del Sa Sa Sa Sa	1 7 5 m	
		if necessary)	1 2 JEH	moair.	医原式性医囊丛囊炎	* * * *	* + * * * * * * *		
	***				Raymond F. Sci	ninazi A	t al	<u> </u>	
			2		, ayını	in taking o	· <i>u</i>		
* * * * * * *				g Date: + +	* * * * * * * *	* 9 \$	Group Art Un	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
				<u> </u>	* * * * * * * * * * * * * * * * * * * *	* 9 8	***		
	6 12	1 1 1 2 1 2 2 4 4	•		June 12, 2001		1614		
- 0 E + 4 4 4	111		5-1			ALCO AND		34.64 May 12.44	
*****	*142	ri transfe f	DREIC	SN PATENT	DOCUMENTS				
			LYT:	21111	**********	4	*****	かかから おかかか	
Examiner	8 8 8 W	Publication		***	· ** * * * * * * * * * * * * * * * * *	, Int.;CI	1 2 8 W 2 8 W	A	
Initials	2.2	* Number *	1 1/2		* * Country ? *	Ratent	2 2 2 2 2	al Class Codes	
(42)	DA	WO 94/14802	<u>A1</u>	07/07/94	PCT	5	C 07 D	411/04	
	DB	WO 94/26273	A1	11/24/94	PCT	5	A 61 K	31/44	
	DC	WO 94/26764	A1	11/24/94	PCT	5	C 07 H	21/00	
	DD	WO 94/27616	A1_	12/08/94	PCT	5	A 61 K	31/70	
	DE	WO 95/07287	A1	03/16/95	PCT	6	C 07 H	19/04	
	DF	WO 95/11252	A1	04/27/95	PCT	6	C 07 H	19/10	
1	DG	WO 96/15132	A1	05/23/96	PCT	6	C 07 F	9/02	
V	DH	WO 95/20595	A1	08/03/95	PCT	6	C 07 H	19/00	
09	DI	WO 96/401164	A1	12-19-91	PCT	6	A 61 K	31/70	
		AMERICALIST							
海里 安宁		OTHER DOCUME	NTS:	including Auti	ior, Title, Date, Per	inent Pag	jes, Etc.)	Salar of	
							er e lank		
199	DJ	Ayoola, et al., "Pr Meeting," Bulletin	of the	e World Hea	<u>lth Organization,</u>	66(4):44	43-455 (1988).	
]]	DK	Beach, et al., "Sy							
		oathiolan-5-yl]Cy						(HBV) and	
———		Human Immunod							
	DL	Beasley, <i>et al.</i> , "H							
	DM	Belleau, B., et al.							
		Effective Against	HIV-1	," Intl. Con	f. on AIDS, Mon	treal, Qu	iebec, Canad	a, June 4-9,	
		1989.		·					
	DN	Boutelje, et al., C							
	DO	Chang, C-N., et a							
		Thiacytidine as Anti-Hepatitis B Virus Agents," <u>J. Biol. Chem</u> . 267(31):22414-22420 (1992).							
	DP	Chang, Chien-Ne	na ei	al "Deoxyo	vtidine Deamina	se-resis	tant Steroisor	mer is the	
	٥,	Active Form of (+							
W_		Replication," J. B					поп от гтории		
,	DQ	Chang, Chungmi	na. <i>et</i>	al "Product	ion of Hepatitis I	3 Virus in	n <i>vitro</i> by Trai	nsient	
(Pro)		Expression of clo	ned H	BV PNA in F	lepatoma Cell Li	ne." The	EMBO J. 6(3):675-680	
		(1987).			•			,	
							1		
Examiner:	``)			D	ate Considered:	1/24	100		
	/	~~~					106		
		itation considered, w							
CHRIDTH IT NAT	citation if not in conformance and not considered. Include copy of this form with next communication to the applicant								

		192		
Form PTQ-	1,449	TA TRADE	Docket No:	Application No.
INFORMAT		CLOSURE	18085.105093 (EMU120CON)	09/879,854
CITATION		က ကိုးကြောက်သည်။ ဦးနှင့် သည် ရှိ လူကြို့ခြုံလုံ လက်ကို ကို တစ် အနှိ	************************************	1
IN AN APP (Use sever		ifinecessary)- 🔻	Applicant	****
			Raymond F. Schinazi,	
*****	****		Filing Date: + 144 466 444 444	Group Art Unit
104 2 104 1	****		June 12, 2001	1614
		OTHER DOCUME	NTS (Including Author) Title Date; Pertinent P	
	EA	Chu, et al., "Struc	ture Activity Relationships of Pyrimiding	
Pu			n Immunodeficiency Virus Type 1 in Peri em., 32:3 pp. 612-617 (1989).	pheral Blood Mononuclear
,	EB		tiomeric Synthesis of (+)-BCH-189[(+)-(2	2S,5R)-I-(Hydroxymethyl)-
			[]cytosine] from D-Mannose and Its Anti	
	EC		ficient Total Synthesis of 3'-Azido-3'-Dec	
		Azido-2',3'-Dideox 29(42):5349-5352	yuridine (AZDDU, CS-87) from <u>D</u> -Mann (1988)	itol," <u>Tetrahedron Letters,</u>
	ED	Chu, et al., "Comp	parative Activity of 2',3'-Saturated and U	nsaturated Pyrimidine and
			es Against Human Immunodeficiency Vir	
	EE		ar Cells," <u>Biochem. Pharm.</u> 37(19); pp. 3 lesis and Biological Evaluation of D-(2S)	
	LL		D-(2R)- and L-(2S)-I,3-Dioxolanyl-Nucleo	
		Anti-HBV Agents,	" Antiviral Research, 30(S1):192; p. 146	(1993).
	EF		esis and Anti-HIV and Anti-HBV Activity	
	EG		eosides," Antiviral Research, 17(S1):2; p metric Synthesis of Enantiomerically Pu	
	LG		nti-HIV Activity," <u>Tetrahedron Letters,</u> 32	
	EH		e Separated Enaniomers of 2'-Deoxy-3'	
		Inhibit Human Imr Chemother. 36(1)	nunodeficiency Virus Replication In Vitro ·202-205 (1992)	o," <u>Antimicrob. Agents</u>
	El		atabolism of 3'-Azido-3'-Deoxythymidine	in Heptaocytes and Liver
			Evidence of Formation of 3'-Amino-3'-D	
			nan Bone Marrow Cells," <u>Molecular Pha</u>	rmacology, 39:258-266
	EJ	(1991). Cretton, <i>et al.</i> , "Pr	narmokinetics of 3'-Azido-3'-Dexoythymic	dine and its Catabolites and
			Probenecid in Rhesus Monkeys," Antimic	
			5(5):801-807 (1991).	
V	EK	Medicine, 108:390		
60	EL		ibition of the Replication of Hepatitis B v d Related Analogues," <u>Ntl. Acd. Sci. US</u>	
		7 _		/
Examiner:		Z	Date Considered: //2	o/oce
EXAMINER:	Initial if ci	tation considered, wh	nether or not citation is in conformance with N	MPEP § 609; Draw line through
citation if not	in conforn	nance and not consid	lered. Include copy of this form with next cor	nmunication to the applicant.

	/	· · · · · · · · · · · · · · · · · · ·						
Form PTC)-1449	*DockerNo:						
INFORMA CITATION		SCLOSURE 18085.105093 (EMU120CON) 09/879,854						
IN AN API	PLICATIO	N Applicant + + + + + + + + + + + + + + + + + + +						
		Downed E Cobine and a						
	T 78 8 9	Filling Date: Group/Arkitemit?						
		June 12, 2001 1614						
LESSE	A K Z Z	OTHER DOCUMENTS (Including Author Title Date, Perlinent Pages, Etc.)						
		字子子字言言: "你的事子了了?"						
1	FA	Furman, et al., "The Anti-Hepatitis B Virus Activities, Cytotoxicities, and Anabolic						
177	ľ	Profiles of the (-) and (+) Enantiomers of cis-5-Fluoro-1-[2-(Hydroxmyethyl)-1,3-						
	FB	Oxathiolane-5-yl] Cytosine," Antim. Agents and Chemo., 36(12):2686-2692 (1992). Ganem, "Animal Models of Hepatitis B Virus Infection," Experimental Models in						
	FB	Antimicrobial Chemotherapy, 2:259-273 (1986).						
	FC	Ganem, et al., "The Molecular Biology of the Hepatitis B Viruses," Ann. Rev. Biochem.,						
		56:651-693 (1987).						
	FD	Gosselin, et al., "Enantiomeric 2',3'-Deoxycytidine Derivatives are Potent Human						
		Immunodeficiency Virus Inhibitors in Cell Cultures," C.R. Acad. Sci. Paris Sci. Vie.						
1		Inhibitary Effect of 2',3'-Didehydro-2',3'-Dideoxynuclearsides on Infectivity, Cytopathic						
	FE	Effects, and Replication of Human Immunodeficiency Virus," 317:85-89 (1994). Hamamoto, et al., Antimicrob. Agents and Chemother., 31:907-910 (1987).						
	FF	Hoong, et al., "Enzyme-Mediated Enantioselective Preparation of Pure Enantiomers of						
	1	the Antiviral Agent 2'3'-Dideoxy-5-Fluoro-3'-Thiacytidine (FTC) and Related						
		Compounds," J. of Org. Chem., 57:5563-5565 (1992). (pg. 65 missing)						
1	FG	Jeong, et al., "Asymmetric Synthesis and Biological Evaluation of β-L-(2R,5S)-and a-L-						
	1	(2R,5R)-1,3-Oxathiolane-Pyrimidine and -Purine Nucleosides as Potential Anti-HIV						
	FH	Agents," J. Med. Chem., 36(2):181-195 (1993). Jeong, et al., "An Efficient Synthesis of Enantiomerically Pure (+)-(2S,5R)-1-[2-						
		(Hydroxymethyl)-1,3-oxathiolan-5-y]cytosine [(+)-BCH-189] from D-Galactose,"						
		Tetrahedron Letters, 33(5):595-598 (1992). (pp. 96 & 97 missing)						
	FI	Jones, et al., "Minireview: nucleotide prodrugs," Antiviral Research, 27:1-17 (1995).						
	FJ	Jurovcik and Holy, "Metabolism of pyrimidine L-nucleosides," Nucleic Acid Research,						
		3(8):2143-2154 (1976)						
	FK	Kassianides, et al., "Inhibition of Duck Hepatitis B Virus Replication by 2',3'-						
	FL	Dideoxycytidine," Gastroenterology, 97(5):1275-1280 (1989). Kim, et al., "Potent Anti-HIV and Anti-HBV Activities of (-)-L-β-Dioxolane-C and (+)-L-β-						
. V	' -	Dioxolane-T and Their Asymmetric Syntheses," <u>Tetrahedron Letters.</u> , 33(46):6899-						
\bigvee_{-}		6902 (1992)						
0	FM	Kim, et al., "1,3-Dioxolanylpurine Nucelosides (2R,4R) and (2R,4S) with Selective Anti-HIV-1 Activity in Human Lymphocytes," J. Med. Chem., 36(1):30-37 (1993)						
		/ /						
Examiner:		Date Considered: // 2/1/2						
		- Injue						

		~ * * * * * * * * * * * * * * * * * * *			
Form PTO-	1449	TOWN & TRADEMP	Docket No:		Application No.
INFORMAT CITATION		CLOSURE	18085.105093 (8	EMU120CON)	09/879,854
IN AN APP	LICATIO		Applicant:	* * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·
				Raymond F. Schinazi,	et al.
* * * * * *	* * * * * *		Filing Date:	***	Group Art Unit
****	• • • • •	******		June 12, 2001	1614
De Labor.		OTHER DOCUMEN	ITS (including Auth	or, Title, Date: Pertinent P	ides Etc.)
为由 是(大学中)。					
	GA				osides as Potential Anti-HIV
172		, •	•	Structure-Activity Rela	monsnips," <u>J. of Med.</u>
	GB	Chem., 36(5):519-		eoxyribonucleosides of	Como Durimidinos:
	GB	, , , , , , , , , , , , , , , , , , ,		J. Med. Chem., 26(6) 8	•
	GC				ytidine 5'-Triphosphate
1	do				Bio. Chem., 270(39):23055-
		23059 (1995).			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
	GD		and In Vivo Con	nparison of the Abilities	of Purine and Pyrimidine
					Antimicrobial Agents and
		Chemotherapy, 33			
	GE	Lin, et al., "Potent	and Selective In \	Vitro Activity of 3'-Deox	ythymidin-2-Ene-(3'-Deoxy-
				luman Immunodeficien	cy Virus," <u>Biochem. Pharm.</u>
		36(17):2713-2718			
	GF				re (2'R- <i>cis</i>)-26;-deoxy-
					published by the Glaxo
		Group Research It	d., Enzyme Micro	b. Technol., Vol. 15:74	9-755 (1993)
	GG				rs of DDC, DDA, D4C, and
	011				Lett., 1:65-68 (1991). 1:1
	GH			Hepatitis B Virus Produ	
		(1990).	e Alycieosides	, Ann. Agents and Che	emot., 34(10):1986-1990
	GI	Miller, et al., "Com	mon Evolutionary	Origin of Hepatitis B V	/irus and Retroviruses,"
	Ŭ.	Proc. Natl. Acad. S			
	GJ			ymidine (BW A509U):	An Antiviral Agent that
		Inhibits and Infecti	vity and Cytopath	ic Effect of Human T-L	ymphotropic Virus Type
1 1		III/Lymphadenopa	thy-Associated Vi	rus in Vitro," Proc. Nat	. Acad. Sci. USA, 82:7096-
		7100 (1985).			
	GK				rity of Agents Against HTLV-
1.					lenges, pp. 303-333, Marcel-
		Dekker, Inc., New			2/2 /222 /222
<u> </u>	GL				ence, 249:1533-1544 (1990).
0	GM	Norbeck, el al., "A HIV," <u>Tetrahedron</u>		,	with In Vitro Activity Against
		> _		/-	
Examiner:				ate Considered: //	406
					<i>l</i>
1					

		JW,			
Form PTO-	1449	TRADEMENT	Docket No:		Application No.
INFORMAT CITATION	TION DIŜ	CLOSURE **	18085.10509	3 (EMU120CON)	09/879,854
IN AN APP	LICATIO	No Planty of			
	7.7 4 (1 4)	a salta orași		Raymond F. Schina	
			, Filing Date: ▲		Group Art Unit
	- 1 2 6				
				June 12, 2001	1614
	7 1 7	OTHER DOCUME			nt Pages) Etc.)
0)	HA	Norin, Chemical A			
	НВ	Catalyzed by Pig	Liver Esterase.	" (1989).	Inthons by Ester Hydrolysis
	НС				C and CNT from Glutamic Acid, ., 53(20):4780-4786 (1988).
	HD	Pai. et al "Inhibit	on of Hepatitis	B Virus by a Novel L-N	Nucleoside, 2'-Fluoro-5-Methyl-
					nerapy, 40(2):380-386 (1996).
	HE				in the Treatment of Patients
		with AIDS and AII	DS-Related Co	mplex…," <u>N. Eng. J. M</u>	ed., 317(4):192-197 (1987).
		(pg. 194 missing)			
	HF				ne"), <u>Synthetic Procedures in</u> ce Publishers, NY, NY (1968).
	HG		et al., "The Syi	nthesis of 1,3-Oxathiola	an-5-one Derivatives, " <u>Bullet on</u>
<u> </u>	НН				3'-Dideoxycytidine Analogs are
				Virus In Vitro," Antimi	
		Chemotherapy, 38			
	HI			ion of Human Immuno	
					oxymethyl)-1,3-Oxathiolan-5-y)]
				<u>iemo.,</u> 36(11):2423-240	
	HJ				of 2',3"-Dideoxy-3'-Thiacytidine
					oe 1 in Human Lymphocytes,"
				6(3):672-676 (1992).	
	HK	(pgs. 673 and 674		instinue: Cubatrata Cu	ecificity of Escherichia Coli,
	HK			rimidine Nucleoside wi	
				" Bioch.Pharm., 44(2):	
		(pgs. 200, 202 an			105-204 (1002).
	HL				Research and Human
},	''-	Retroviruses 8(6):			110000000000000000000000000000000000000
. V	НМ				Racemic 2',3'-Dideoxy-
				<u>emotherapy</u> 36(11)243	
	HN				arison of Inhibitory Activities of
(1)2/				Particle-Drived and Re	
W	L	Immunodeficiency	Virus Type 1	Heverse Transcriptase	." (1989). 33:1 pp. 115-117
Even:		/		Doto Considered:	
Examiner:				Date Considered:	1/0/106
 -		- 		·	

	/	الملا م			
Form-PTO	1449	The same of the sa	Docket No.		Application No.
	يميد أهلتها ال	TA MADEMAN		())) () () () () () () () ()	
		CLOSURE ,	18085.10509	33 (EMU120CON)	09/879,854
CITATION		A STATE OF THE STA	Programme Services		
IN AN APR	7		Applicant:		· 中央のいい) 中央 中央 中央 中央 () いいかん
(Use sever	ai Sileeis	if necessary)	· · · · · · · · · · · · · · · · · · ·	Raymond F. Schinazi,	at al
4 4 4 4 4	4400	****		naymonu r. Schinazi,	et ai.
Daniel de la constante de la c	444	****	ZEIIInd Date: 2	4444444444	Group!ArtiUnita e An wood
4 4 4 4 4	·传传·传传·传	*****	-	444444444444	
· 日本の日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本	-	***		June 12, 2001	1614
	24 274			* ***	
* \$ 1 - 4 -4-4					ages, Etc.)
(2)	I IA			titis B Virus Particles in He " <u>Pro. Natl, Acad. Sci. US/</u>	p G2 Cells Transfected with
7	IB			mmunoodeficiency Virus T	
1 1	'-			line,"Antimicrobial Agent	
		35(7):1386-1390(1991). (pg. 13	87 missing)	
	IC			nts Chemother., 3'-Azido-3	
					an Immunodeficiency virus
 	ID			2 (1987). 31:12 pg. 1972-1 Anti-HIV Activity of Severa	
	ווט			Chem., 33(8)"2150-2157	
	ΙE				ty of the Enantiomers of cis-
\perp \perp				an-5-yl)cytosine (BCH-189	
				ides, 12(2):225-236 (1993	
1 /	l IF				cts and Several 1-(2-Deoxy-
1 1		J. Med. Chem., 29			cture- Activity Relationships,"
 	IG	Sureau et al "Pr	oduction of He	enatitis B Virus by a Differe	entiated Human Hepatoma
1 1	'-			Cloned Circular HBV DNA	
	IH	Tsurimoto, et al., '	Stable Expres	sion and Replication of He	epatitis B Virus Genomein
				nepatoma call line transfec	ted with the cloned viral
				SA, 84:444-448 (1987).	Missahialass ID Linnings
	11	Company (Philad	elnhia/Toronto	ns, <u>Essentials of Medical</u> b) 2 nd Ed., pp. 609-618 (19	Microbiology, J.B. Lippincott
	IJ				ly/Triflate and Perchlorate as
	'`	Catalysts, "Chem.			
	IK				sis and Anti-HIV-2 Activity of
				e Anti-AIDS Nucteosides 3	3-Acidoes deoxythymidine
		(AZT) and 2',3'-Di			aidina Diavalanul
	IL			d Anti-HIV Activity of Pyrin licinal Chemistry Letters, 3	
	IM				ation Sterochemistry in the
		Synthesis of 2'-De	oxyribose Nu	cleosides," <u>Tetrahedron Le</u>	tt, 31(13):1815-1818 (1990).
	IN	Yokota et al. "Con	nparative Activ	rities of Several Nucleoside	e Analogs Against Duck
					ognized Metabolic Pathways
	, IO			ts and Chemotherapy, 34(7):1326-1330 (1990). uridine with Formation of 5'-
100	ا			Pharmacology, 38:929-93	
Examiner:		7		Date Considered:	
			~	1/28	ple
					PEP § 609; Draw line through
citation if not	in conform	nance and not consid	erea. Include c	opy of this form with next con	nmunication to the applicant.